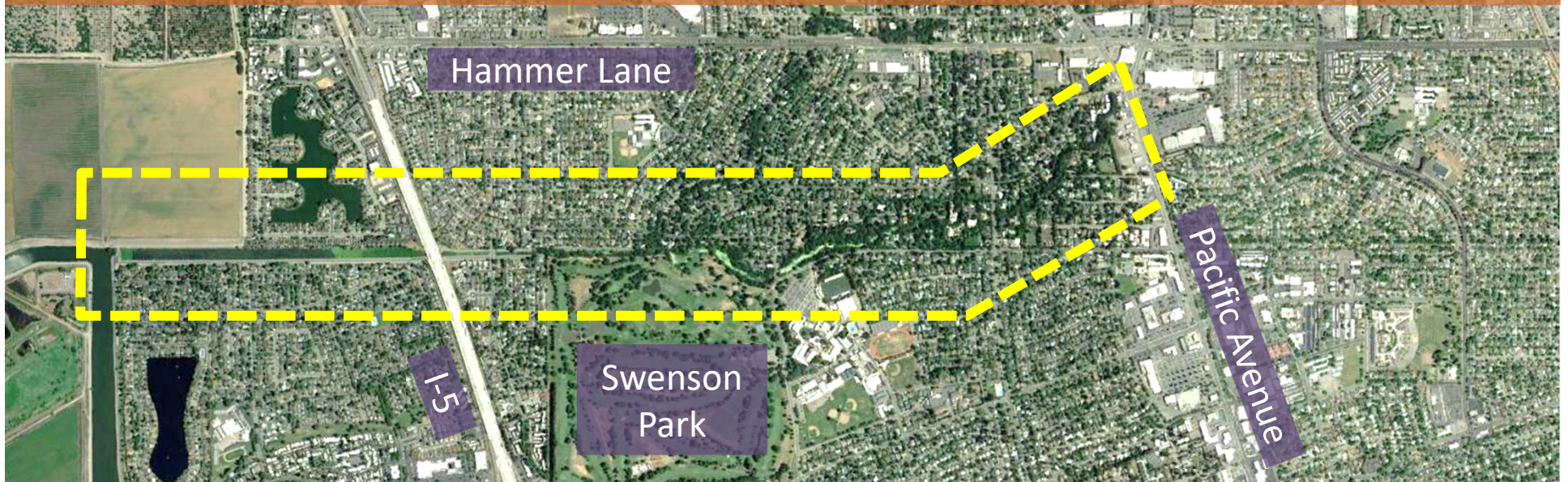


Five Mile Slough and Five Mile Creek Project Study Report



Agenda

- Review project scope
- Provide project schedule update
- Outline preliminary findings
- Identify focal points

Project Scope



- Research
- Document
- Identify
- Report
- Recommend next steps

Project Schedule Update

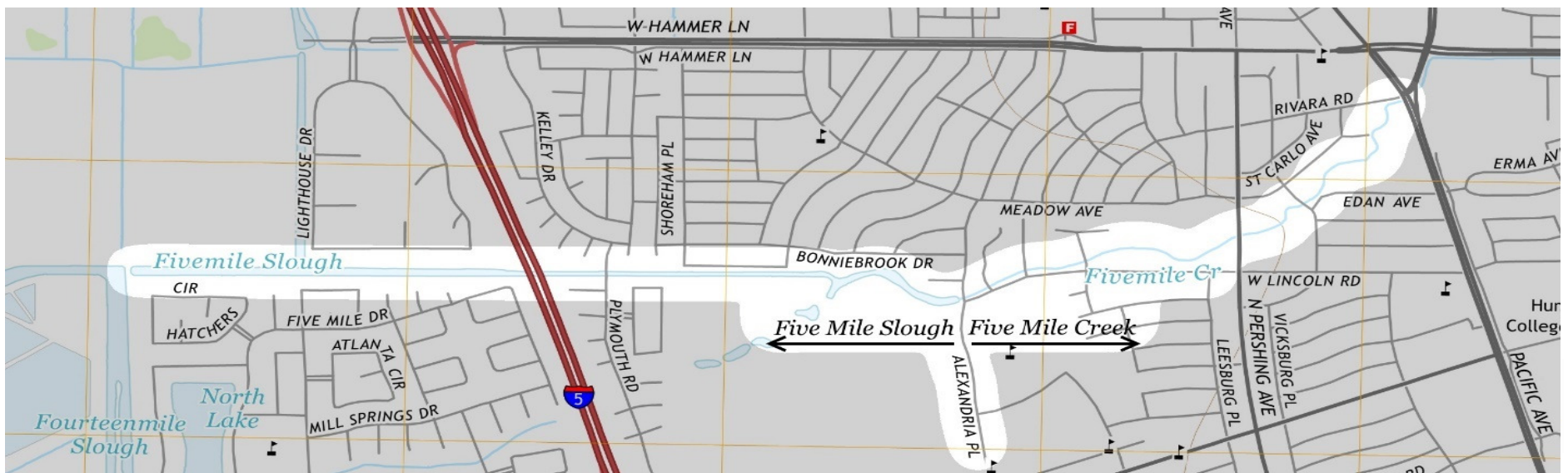
November 2017:	Held first Public Meeting
January 2018:	Submitted preliminary draft report
February 2018:	Received City comments on preliminary draft report
Mar. – Apr. 2018:	Submit revised draft report and hold agency stakeholder meetings
May – June 2018:	Third Public Meeting
July – Aug. 2018:	Finalize report

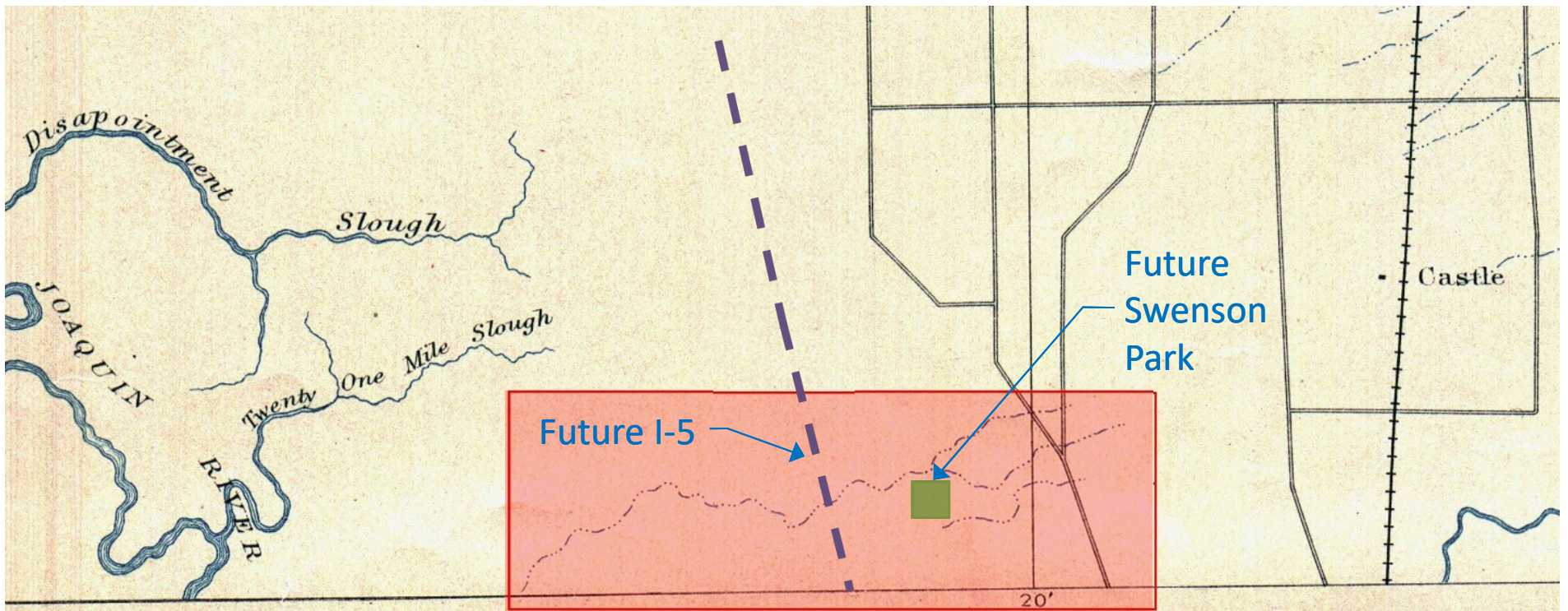
Preliminary Findings

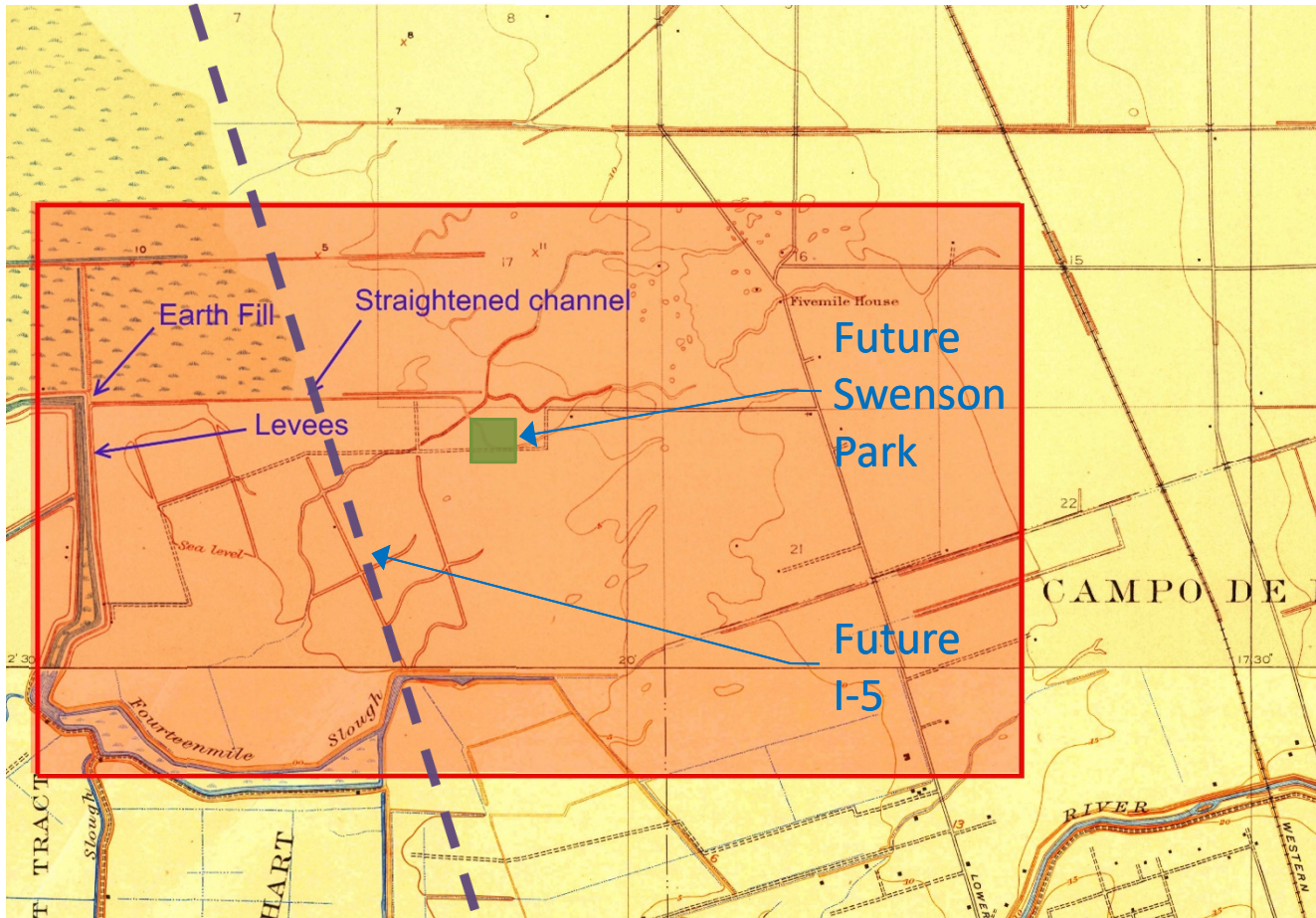
- I. History and function
- II. Hydrology
- III. Sediment and erosion
- IV. Water quality and invasive plants
- V. Maintenance and maintenance responsibility
- VI. Regulatory compliance

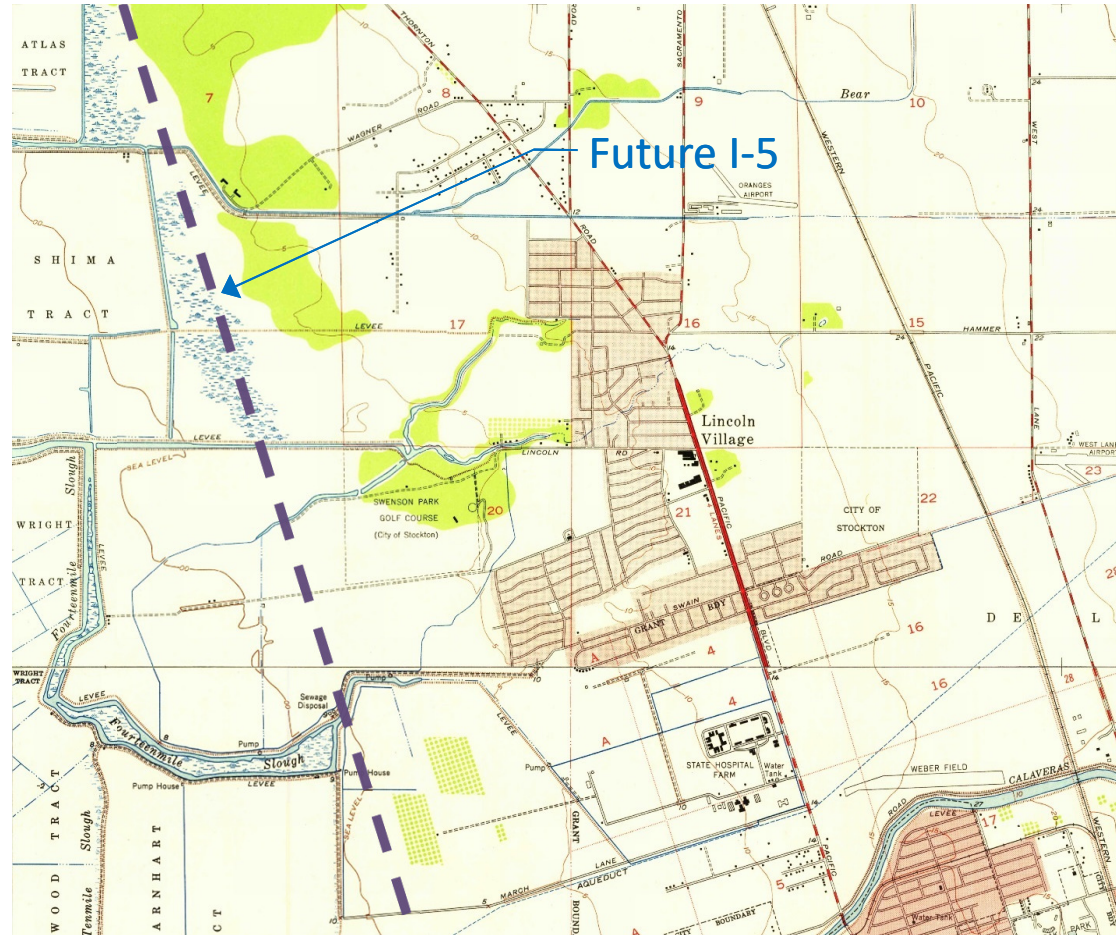
Preliminary Findings: Part I. History and Function

- Slough: a swamp or shallow lake system, usually backwater to a larger body of water
- Creek: a natural stream that is usually smaller than and tributary to a river

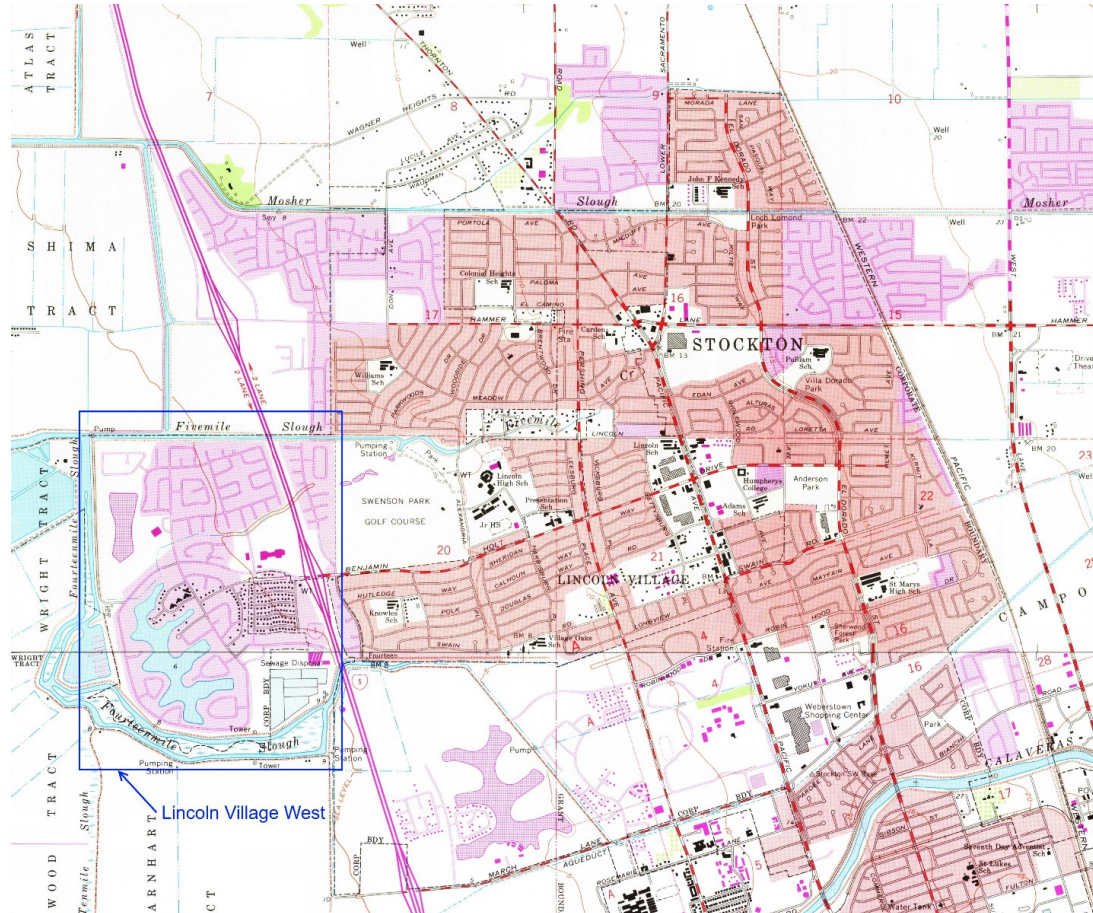


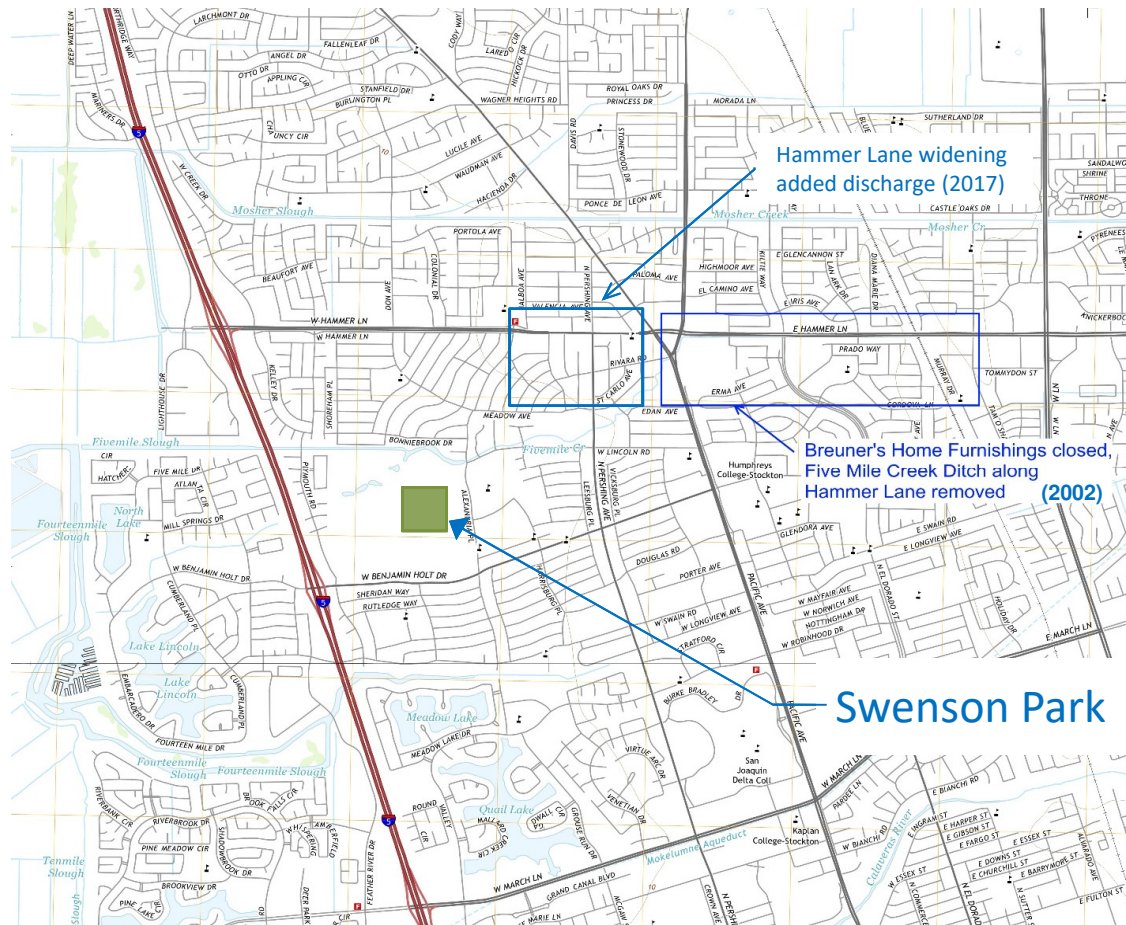






Future I-5



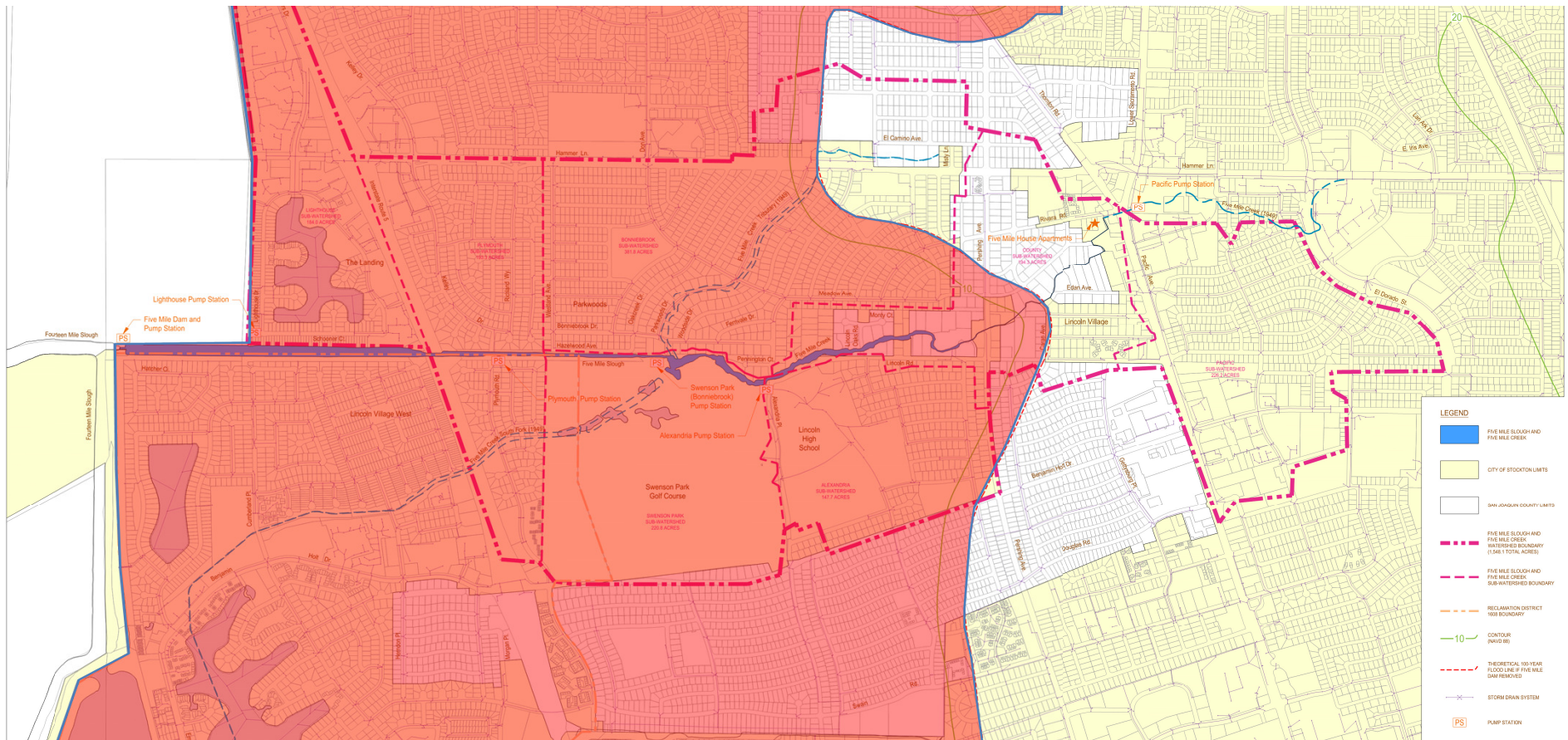


Theoretical Flood line

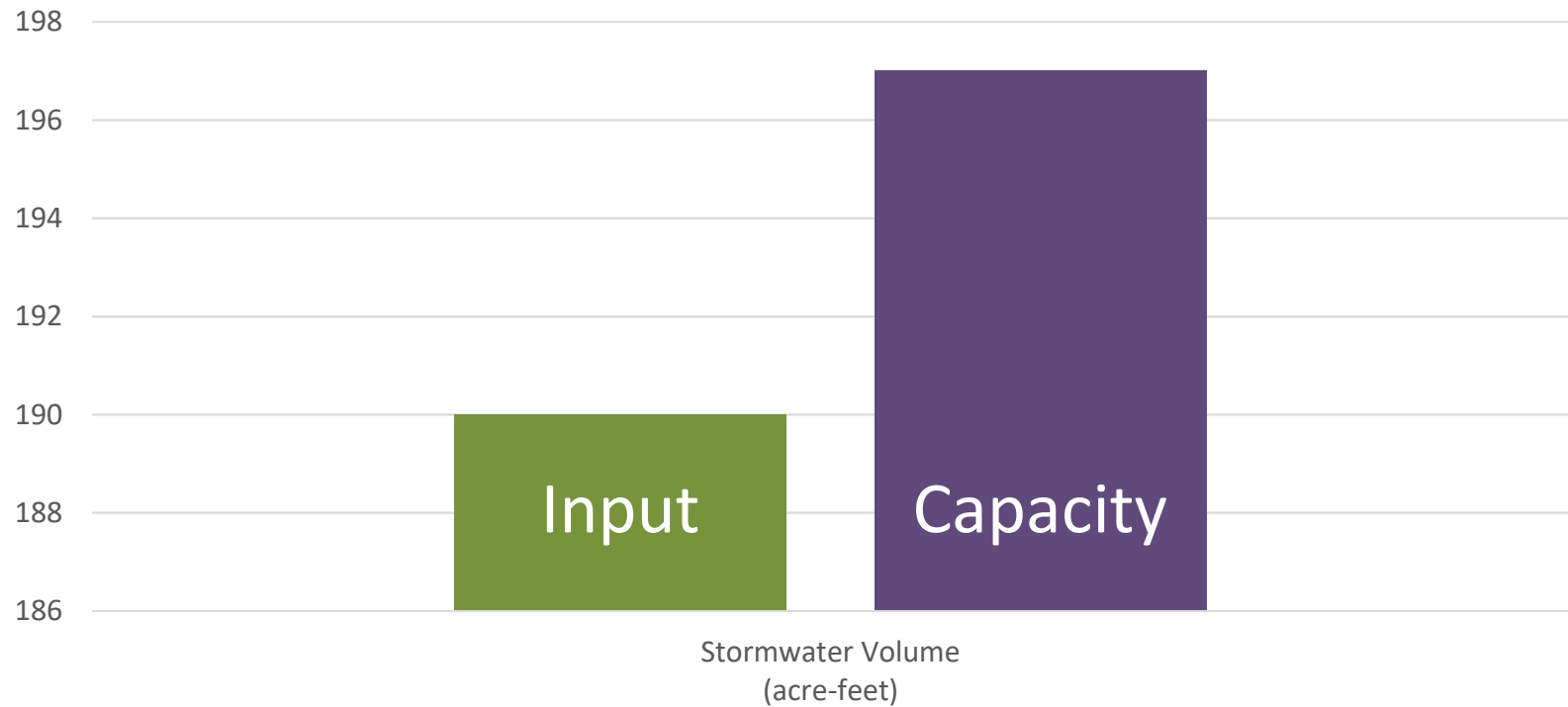
LEGEND

- FIVE MILE SLOUGH AND FIVE MILE CREEK
- CITY OF STOCKTON LIMITS
- SAN JOAQUIN COUNTY LIMITS
- FIVE MILE SLOUGH AND FIVE MILE CREEK WATERSHED BOUNDARY (1,546.1 TOTAL ACRES)
- FIVE MILE SLOUGH AND FIVE MILE CREEK SUB-WATERSHED BOUNDARY
- RECLAMATION DISTRICT 1008 BOUNDARY
- CONTOUR (100 FEET)
- THEORETICAL 100-YEAR FLOOD LINE IF FIVE MILE DAM REMOVED
- STORM DRAIN SYSTEM
- PUMP STATION

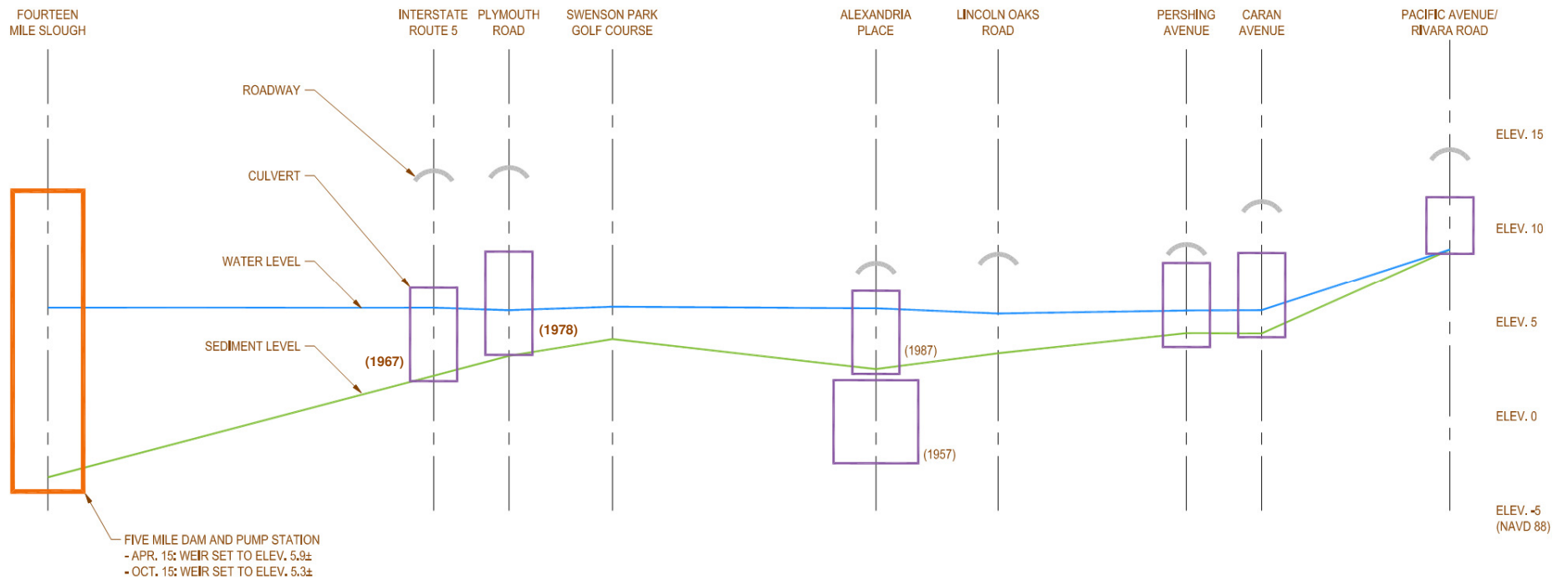
— Preliminary Findings: Part II. Hydrology – Flood Control Component —



Preliminary Findings: Part II. Hydrology – Storage Component



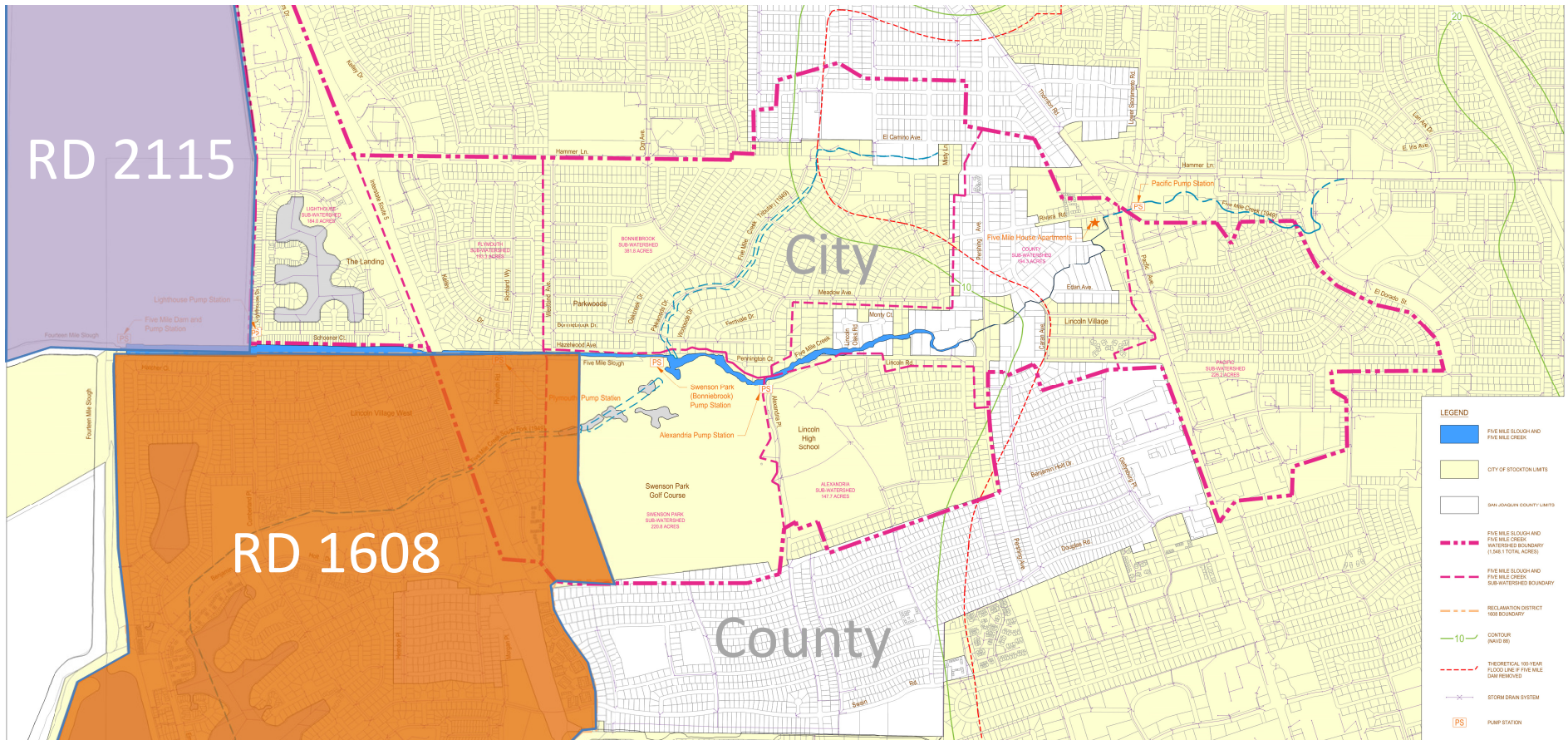
Preliminary Findings: Part III. Sediment and Erosion



— Preliminary Findings: Part IV. Water Quality and Invasive Plants —

- Active water quality monitoring by the City
- BMPs (Best Management Practices) in place
- Sources of impairment identified:
 1. Pesticides
 2. Pathogens
 3. Nutrients
 4. Low dissolved oxygen

Preliminary Findings: Part V. Maintenance and Maint. Resp.



Preliminary Findings: Part V. Maintenance and Maint. Resp.

	Culverts	Public Bridges	Private Bridges	Five Mile Dam	Pump Stations	Water Quality Monitoring and Regulation	Water Level Maintenance	Flood Control	Aesthetics	Invasive Plant Abatement	Bank Erosion	Culvert Hydraulics	Maintenance (Debris Cleanup, Bank Vegetation)	Levees
City of Stockton	X	X			X	X				X	X	X	X	
San Joaquin County	X			X	X	X	X	X		X	X	X	X	
SJAFCA (San Joaquin Area Flood Control Agency)								X		X				
Reclamation District 1608											X		X	X
Reclamation District 2115											X		X	X
Property Owners			X						X	X	X		X	

— Preliminary Findings: Part VI. Regulatory Compliance —

- Continuous compliance program by the City
- No known violations

Focal Points

1. Need for a deeper understanding of relationship between storage / sediment / erosion / hydrology
2. Repair of the Alexandria Place culvert and banks
3. Investigation of a public / private partnership / assessment district

Comments

